

# ABOVE Science Cloud Webinar: System Updates, Dataset Review, Q&A

October 20<sup>th</sup>, 2017

# Agenda

- Updates to Windows VMs
- Updates to Linux VMs
- Review of DigitalGlobe Search Tools
- Data Discovery (ODISEA Search Tool)
- ASC Environment Structure
- Adding products to the ASC
- Questions?

# Updates to Windows VMs

- Log in using Guacamole:
  - See instructions [here](#)
- <https://guac.nccs.nasa.gov/>
- Cloud data are mounted to the VM:
  - Landsat, MERRA, NGA, Home, Nobackup, Pubrepo (atrepo01)

# Updates to Linux VMs

- ‘above’ nodes have been doubled
  - above 101 to 108 now exist
  - SLURM can be used to start jobs
  - Contact [support@nccs.nasa.gov](mailto:support@nccs.nasa.gov) with questions

# Links to NGA Data Discovery Apps

## NGA Data Discovery Tool

<https://maps.nccs.nasa.gov/arcgis/apps/webappviewer/index.html?id=b0f3e484f28d408a8934c77e5af746e0>

## NGA Advanced Data Discovery Tool (Portal users only)

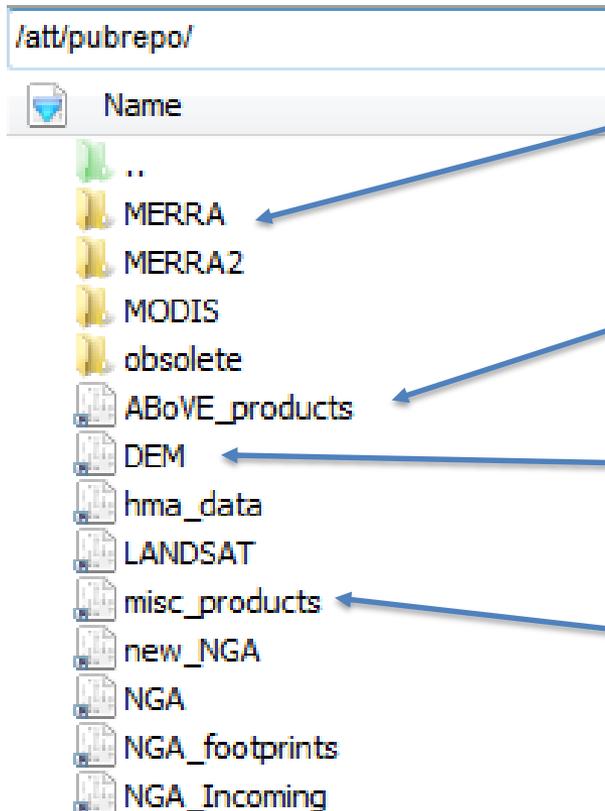
<https://maps.nccs.nasa.gov/arcgis/apps/webappviewer/index.html?id=8b1defb1e5db4045a8bba8b51dd0cfc3>

\*\*If you need a Portal account created, send a request to [support@nccs.nasa.gov](mailto:support@nccs.nasa.gov) with subject line of: “New ArcGIS Portal Account Request”\*\*

# Data Discovery in the ASC

- ODISEA search tool (Ontology Driven Interactive Search Environment for ADAPT)
- System level tool to search for and locate system owned staged data
- Accessible on the ASC at:  
<http://odisea:8080/odisees>
- View a video of ODISEA in action [here](#)
- See a table of available products [here](#) under “What datasets are available on the ASC?”

# ASC Environment Structure: /att/pubrepo



- Large satellite records have their own folder
- /ABoVE\_products contain ABoVE PI-generated products
- /DEM contains digital elevation datasets
- /misc\_products contain useful products for science team members

# ASC Environment Structure: PI Products

- Unfinished products stored in \$NOBACKUP
- Finished products are copied to the ABoVE Product space and retained in \$NOBACKUP
  - Once archived, you can delete the product from Nobackup
- Contact [support@nccs.nasa.gov](mailto:support@nccs.nasa.gov) when ready to move your product to the ABoVE Product space

# Adding Products – Metadata Needed

- Based on NASA ECHO metadata
- You will receive an excel spreadsheet to fill out
- Many fields will be based on a picklist
- Sampling of variables needed:
  - Name, version, description, ABoVE science theme
  - Measurement approach, data format
  - Location, spatial and temporal resolution

# Announcements:

How do I cite the ASC in my publications? Use language similar to:

*“Resources supporting this work were provided by the NASA High-End Computing (HEC) Program through the NASA Center for Climate Simulation (NCCS) at Goddard Space Flight Center.”*

# Questions?